Kronenthal et al.			[45]	Date of Patent: * Mar. 17, 1987	
[54]	CONTROLLED RELEASE OF PHARMACOLOGICALLY ACTIVE AGENTS FROM AN ABSORBABLE BIOLOGICALLY COMPATIBLE PUTTY-LIKE COMPOSITION		[56] References Cited  U.S. PATENT DOCUMENTS  3,978,203 8/1976 Wise		
[75]	Inventors:	Richard L. Kronenthal, Fair Lawn; Frank V. Mattei, Piscataway; Alan Levy, Bridgewater, all of N.J.	4,130,639       12/1978       Shalaby et al.       424/78         4,186,189       1/1980       Shalaby et al.       424/78         4,439,420       3/1984       Mattei et al.       424/78         4,440,789       4/1984       Mattei et al.       424/78         4,443,430       4/1984       Mattei et al.       424/78		
[73]	Assignee:	Ethicon, Inc., Somerville, N.J.			
[*]	Notice:	The portion of the term of this patent subsequent to Feb. 4, 2003 has been disclaimed.	Primary Examiner—Shep K. Rose Attorney, Agent, or Firm—Charles J. Metz  [57] ABSTRACT  An absorbable biologically compatible putty-like composition is used as a matrix from which immunologically or pharmacologically active agents, such as antibi-		
[21]	Appl. No.:	791,969			
[22]	Filed:	Oct. 28, 1985			
Related U.S. Application Data			otics, can be introduced into the body to provide a slow		
[62]	Division of Ser. No. 687,692, Feb. 8, 1985, Pat. No. 4,568,536.		sustained release of the agent over an extended period of time. A preferred matrix comprises a mixture of cal-		
[51] [52]	Int. Cl. <sup>4</sup> U.S. Cl		cium steai	arate, dextran and castor oil.	

4,650,665

13 Claims, 3 Drawing Figures

United States Patent [19] [11] Patent Number: